I f y o u l e t y o u r e a r s d e c i d e . . .

Owners guide
DLS D-series loudspeaker

Home Entertainment

DLS - Sweden

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Owners guide for DLS D-series loudspeakers

Introduction
Please read this manual fully before unpacking and installing the product. It will help you to optimise the performance of your speakers .

Unpacking and maintenance
Your speaker should be treated with the same care you would treat a piece of furniture. Use only a piece of soft cloth and a small quantity of warm soapy water to clean the loudspeakers. Avoid touching the cone of the bass unit or treble dome since this may leave a finger mark or even damage the dome and spoil its performance. After unpacking, we suggest you retain all packing material for future transports.

Running-in period
The performance of the speaker will change subtly during the listening period.
Please allow your new speakers to play about 50 hours of music at normal listening level before doing any critical listening.

Room positioning
2-Channel stereo
The performance of a loudspeaker system in a room varies with placement. Ideal positioning of the speakers are 3-4 m apart and preferably at least 0.5-1m away from side and rear walls se fig. 1. Avoid distances from walls that correspond to 1/2, 1/4, 1/6 etc., of the room dimensions. Seek instead odd fractions; 1/3, 1/5, 1/7 etc.to minimize effects of room related resonances.
You will perceive the most accurate sound picture if you listen from a position halfway between the loudspeakers, and three to four metres away. Avoid corner placement as it leads to colouration and an over-emphasise of the lower frequencies.
Image stability and stereo perception is increased if the two speakers are turned slightly towards the listening position. Try this out and listen for best stereo image and centre focus. Objects in the direct sound path can disturb the coherence of the sound picture. Try out different positions before deciding on a final arrangement.

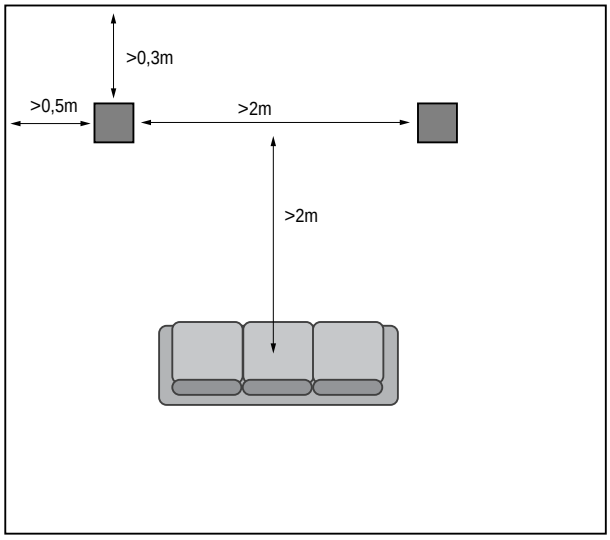

fig. 1

Surround system
Centre speaker positions:
For a front centre speaker position it directly above or below the screen, depending on screen height. Optimum is in the same height as the front speaker sound centre (0.8-1m for floor standing models)
For wall mounting, there are two holes on the backside of the speaker for wall mounting with brackets. One hole for each bracket

Front right and left speaker:
Place the speaker 0.5-1m from the TV. For large projection screens, space speaker 0.1-0.5m from screen. Try to follow the 2-channel position as close as possible in room for best sound image.

Surround speaker "rear speaker"
Depending on where you sit in the room there are two ways of presenting the sound image. Direct or diffuse surround effect.
Direct is when the speaker point at the listening positions from rear or side walls, in the same height as front and centre speaker.
For diffuse sound effect, mount the speaker higher and point them along rear or side wall.

Side panels
DLS D-series speaker are designed to be used with side panels that are avalible in different finishes. Mount the side panels so the magnets (black nobs) on the speakers side, match the magnets on the side panels.

Connections
Make sure to turn off all amplifiers before connecting your new speaker to your system.

Connect the cable to the terminal. Use the marking of the cable to ensure that the red or ”+” mark of the amplifier is connected to the ”+” side of the terminal, also marked with red.

We recommend high quality cables, not to thin, to avoide losses. To reduce the effect the cable has on the speaker. At high frequency the inductive component of the cables impedance can dominate over the DC resistance and will affect the tonal balance.

Ask your dealer for the best cable for your needs.

Power handling
DLS recommends using amplifiers within a specific power range. However, the most important thing is that the amplifier has sufficient power reserves for handling peaks and transient in the music signal

The power rating figure of a loudspeaker is a very inprecise figure. Since the energy in the music signal varies, neither peak nor average value is relevant. A power rating of e.g. 100W RMS says only that you can play a continuous tone of 1kHz at this output. It does not mean that you can turn the volume all the way up on a 100W amplifier and expect clear sound and healthy speakers.

The greatest danger to a loudspeaker is distorded signal. Distorsion in the low frequency range produces overtones in the entire spectrum, with an energy that can easily damage the tweeter units. And since a more powerful amplifier can play louder without distorsion, we have the paradox that it is a greater risk to damage speakers by playing loud with a smaller amplifier.

Caution!
If you hear distortion when you increase the volume this is normally a sign of overloading the amplifier and you should immediately reduce the output level.
Use of loudness, bass or treble boost increases the risk for harmful distortion in the amplifier. We recommend that you use these controls with care.

Service

Should your DLS loudspeaker system require service, or if you have difficulty in achieving the fine performance of which your DLS loudspeaker system is capable, consult the DLS dealer from whom the system was purchased. Your dealer has the knowledge required to provide expert advice and assistance. In case the DLS dealer is unable to assist you, you are welcome to contact the DLS Technical Department.

Warranty

This DLS loudspeaker is warranted to the original purchaser, against factory defect in material or workmanship, for a period of one (1) year from the date of original purchase. This warranty is valid only in the country of purchase, to the original purchaser and is non-transferable.
DLS loudspeakers are music listening devices and should be used for listening purposes only. They must not be connected to any other equipment than amplifiers within the specified power range.
DLS cannot be held responsible for damage or injuries caused by improper use, or use in violation with the recommendations in this leaflet.

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DLS home entertainment speaker system are made with pride for your musical enjoyment and comfort

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T-Series2004.1